

CJPF/ATEX

Large airflow ventilation units with high efficiency Plug Fan, with ATEX certification



Marking:

Ex eb: II 2G Ex eb IIB T3 Gb

Ex db: II 2G Ex db IIB T4 Gb

Ex tb: II 2D Ex tb IIIC T135 °C Db

Ex tc: II 3D Ex tc IIIB T135 °C Dc



Large airflow ventilation units equipped with Plug Fan type fan, acoustic casing with interchangeable covers for easy installation and ATEX certification.

Fan:

- Aluminium profile structure.
- Covers with a high quality, 25 mm thick acoustic casing made of prefinished sheet.
- Backward curved impeller.
- Standardised inlet and outlet flanges allowing for easy installation in ducts.
- Interchangeable covers to supply air on either side.
- Air inlet nozzle with diffusers that increase the efficiency of the fan.
- Silentblocks to avoid the transmission of vibrations and a correct anchoring of the equipment.
- Non-sparking inlet ring made of copper.
- Aluminum corner protectors to prevent the accumulation of static electricity.

Motor:

- Class F motors with ball bearings and with ATEX certification, increased safety Ex eb or flameproof Ex db or dust ignition proof Ex tb or Ex tc.
- Motors with built-in PTC.
- Three-phase 230/400 V 50 Hz.
- Working temperature: -25 °C +60 °C.

Finish:

- Anti-corrosive in pre-lacquered steel sheet and aluminum profiles.

On request:

- Special windings for different voltages and frequencies.
- ATEX construction for different categories.
- Complete with a pressure measurement connection point for optional automatic flow and pressure control.

Order code

CJPF/ATEX – 2180 – 6T – 5.5 – Ex eb

CJPF/ATEX: Large airflow ventilation units with high efficiency Plug Fan, with ATEX certification

Impeller size

Number of motor poles
4=1400 r/min 50 Hz
6=900 r/min 50 Hz

T = Three-phase

Motor power (HP)

Ex eb: increased safety for zone 1 and 2
Ex db: non-sparking for zone 1 and 2
Ex tb: for zone 21 and 22
Ex tc: for zone 22

Marking:

II 2G Ex h IIB T3 Gb
II 2G Ex h IIB T4 Gb
II 2D Ex h IIIC T135 °C Db
II 3D Ex h IIB T135 °C Dc

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)		Installed power (kW)	Maximum flow rate (m³/h)	Sound pressure level ¹ dB (A)	Approx. weight (Kg)	
		230V	400V				Ex eb	Ex db
CJPF/ATEX-1240-4T-1	1420	2.82	1.62	0.75	4185	30	69	71
CJPF/ATEX-1650-4T-2	1440	5.41	3.11	1.50	8740	40	106	109
CJPF/ATEX-1856-4T-4	1440	10.70	6.15	3.00	12070	40	120	121
CJPF/ATEX-1856-6T-1	940	3.36	1.93	0.75	7995	30	107	111
CJPF/ATEX-1663-4T-5.5	1450	13.90	8.00	4.00	16400	42	130	134
CJPF/ATEX-1663-6T-1.5	945	4.68	2.69	1.10	9870	33	118	121
CJPF/ATEX-1871-6T-3	950	9.08	5.22	2.20	15700	34	174	184
CJPF/ATEX-2180-6T-5.5	960	15.60	8.99	4.00	21500	42	221	241

¹ Radiated sound pressure level in dB(A) at 1,5 m distance at 50% of full speed.

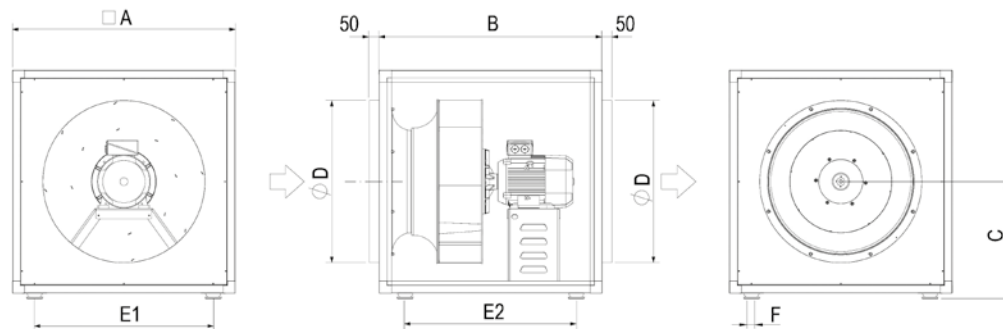
Acoustic characteristics

The indicated values are determined by measuring the sound pressure level and sound power in dB(A) obtained in a free field at a distance equivalent to twice the size of the fan plus the impeller diameter, with a minimum of 1.5 m.

Sound power spectrum Lw(A) in dB(A) per Hz frequency band

	63	125	250	500	1000	2000	4000	8000
CJPF/ATEX-1240-4T-1	53	60	60	59	57	56	64	45
CJPF/ATEX-1650-4T-2	61	66	74	66	75	67	64	61
CJPF/ATEX-1856-4T-4	65	71	76	66	70	68	65	53
CJPF/ATEX-1856-6T-1	58	63	62	58	60	58	54	47
CJPF/ATEX-1663-4T-5.5	71	68	77	71	71	69	68	53
CJPF/ATEX-1663-6T-1.5	57	63	60	69	63	59	53	44
CJPF/ATEX-1871-6T-3	58	65	61	67	66	65	61	45
CJPF/ATEX-2180-6T-5.5	64	69	66	78	70	66	61	56

Dimensions mm



	A	B	C	ØD	E1	E2	F
CJPF/ATEX-1240-4T-1	700	700	375	450	480	470	M6
CJPF/ATEX-1650-4T-2	900	900	475	630	686	665	M6
CJPF/ATEX-1856-4T-4	900	900	475	630	686	665	M6
CJPF/ATEX-1856-6T-1	900	900	475	630	686	665	M6
CJPF/ATEX-1663-4T-5.5	900	900	475	630	686	665	M6
CJPF/ATEX-1663-6T-1.5	900	900	475	630	686	665	M6
CJPF/ATEX-1871-6T-3	1100	1100	577	800	881	845	M8
CJPF/ATEX-2180-6T-5.5	1100	1100	577	800	881	845	M8

Accessories



INT/ATEX



SI-PRESIÓN



PT



TEJ



VIS



VSD3/A-RFT
- VSD1/A-RFM



AET



RPA



B



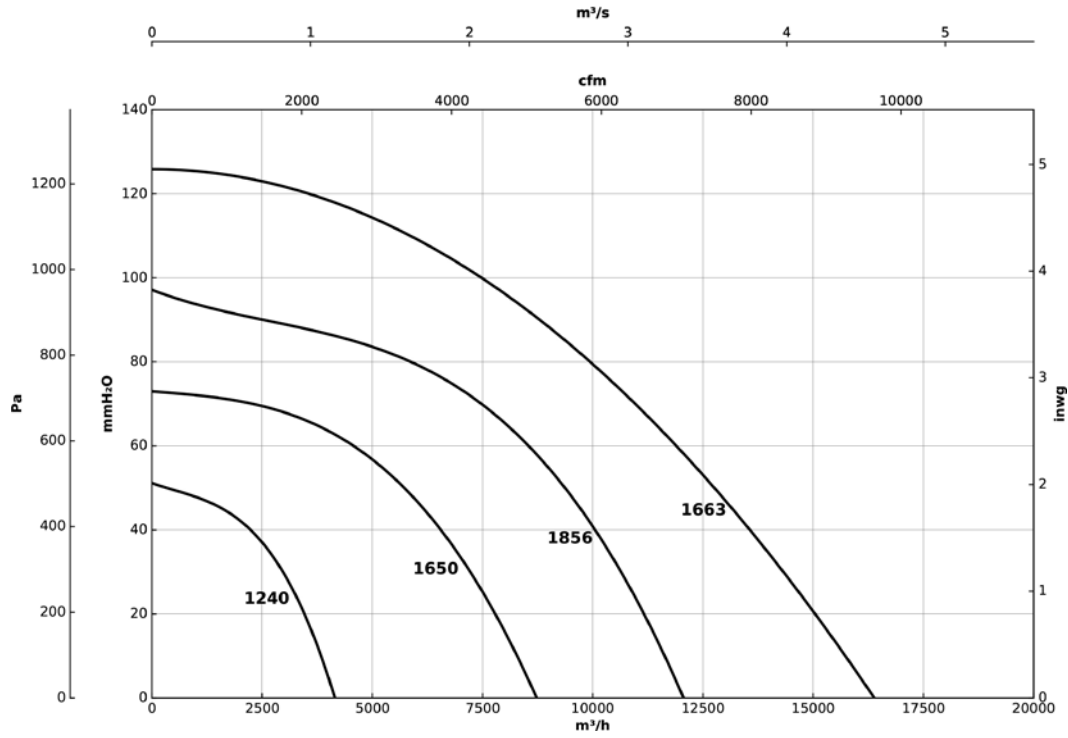
BD

Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm

Pe= Static pressure in mm H₂O, Pa and inwg

4T=1500 r/min



6T=1000 r/min

